Introduction

This document provides a brief narrative to accompany the 2010 3-Year Work Plan update for the Lake Washington/Cedar/Sammamish Watershed (WRIA 8). Both the capital and non-capital actions listed in the 3-Year Plan reflect the most important known priorities for Chinook conservation and recovery in the watershed, and are based upon analyses and hypotheses described in detail in the Lake Washington/Cedar/Sammamish Watershed (WRIA 8) Chinook Salmon Conservation Plan (2005).

Estimated costs for each action in the 3-Year Work Plan are based on the 10-Year Start List cost estimates from the WRIA 8 Plan or other recent updates. This 3-Year Work Plan update was developed in consultation with the WRIA 8 Salmon Recovery Council and Technical Committee.

The conservation and practical rationale for the 3-Year Work Plan remains unchanged from the 2009 narrative. Refer to that narrative if more detailed information is needed (http://www.govlink.org/watersheds/8/reports/default.aspx).

Consistency

1. What are the actions and/or suites of actions needed for the next three years to implement your salmon recovery chapter as part of the regional recovery effort?

The accompanying spreadsheet lists the actions needed to implement the WRIA 8 work plan in the next three years. Specific additions or deletions for 2010 are outlined below:

Additions for 2009

(Cedar River Population)

 In Reach 3, explore redevelopment options including purchasing easements, removing bank hardening, and restoring riparian buffer (C206)¹

(Sammamish River Population)

- Little Bear Creek fish passage and riparian restoration (N401, N402, N403)
- Kelsey Creek fish passage and channel restoration (N473)
- North Creek riparian restoration and stream enhancements (N379, N384)
- Bear Creek Reach 9 acquisition (N239)
- Swamp Creek Regional Park wetland and stream restoration (N335)
- Sammamish River Reach 2 wetland restoration (N337, N338)

¹ The project code (C206, N401, etc) is the nomenclature used in the WRIA 8 Chinook Conservation Plan to identify projects. Refer to Volume 2 of the Conservation Plan if more information about a particular project is required.

Programmatic actions needed for the next three years include all those on the WRIA 8 10-Year Start List of Actions (Volume 1, Chapter 9), with some examples provided in the 3-Year Work Plan description column, and the key ones highlighted below:

- Complete the H-Integration process and work with co-managers to implement priority recommendations
- Continue work with co-sponsors on overcoming barriers to more salmon-friendly lake shorelines
- Continue to support efforts to encourage Low-Impact Development
- Build on successful 'Lakeside Living' workshops and Green Shorelines Guidebook outreach efforts and potentially extend this outreach model to streamside property owners

Research, monitoring and evaluation actions needed include:

- Continue habitat status and trends monitoring for the Cedar River and for wadeable streams. WRIA 8 recently received a grant from the EPA to continue survey work through 2013.
- Complete an overall WRIA 8 Monitoring and Adaptive Management Framework – this framework will leverage effectiveness and implementation monitoring efforts already taking place and help strategically direct future effectiveness monitoring to focus on projects with greatest uncertainty, as well as incorporate H-Integration efforts. The WRIA 8 Technical Committee is working with PSP and the RITT to develop this framework in the context of overall Puget Sound adaptive management.
- Work with RITT and Puget Sound Partnership to devise methods for programmatic effectiveness monitoring

Removals (project completions)

(Cedar River Population)

- Cedar River Rainbow Bend Acquisition (C236A)
- Jones Reach Protection (C228a, Seattle Public Utilities target parcels)
 (Sammamish River Population)
 - Cottage Lake Creek Forest Cover Protection (N277)

In addition, the following projects on the WRIA 8 10-year list (but not on the 3-Year Work Plan) were completed in 2009:

(Cedar River Population)

Alaska/Adam Street (C281)

(Migratory Area)

Salmon Bay Natural Area (M247)

(Sammamish Population)

- Expand Twin Creeks Project (N377)
- Sammamish River Reach 3 Restoration (N343)

- Anderson Property Acquisition (I215/I285)
- Squak Valley Park Acquisition and Restoration (I226A)

Pace/Status

- 2. What is the status of actions underway per your recovery plan chapter? Is this on pace with the goals of your recovery plan?
 Jurisdictions are advancing the WRIA 8 Conservation Plan with the funding available to implement the Plan. Programmatic and capital actions are in progress, as detailed in previous narratives and in the 2006-2007 WRIA 8 Implementation Progress Report (http://www.govlink.org/watersheds/8/planning/progress_report.aspx).
 WRIA 8 is planning an implementation status 5-year summit for the late-fall of 2010; at that time more detailed information regarding implementation status and pace will be available.
- 3. What is the general status of implementation towards your habitat restoration, habitat protection, harvest management, and hatchery management goals? More integration of harvest and hatchery management with habitat management goals would be beneficial. Some progress has been made in H-integration. Further progress awaits development of an adaptive management framework (in progress).

Sequence/Timing

4. What are the top implementation priorities in your recovery plan in terms of specific actions or theme/suites of actions? How are these top priorities being sequenced in the next three years? What do you need to be successful in implementing these priorities?

Capital projects during the next three years of implementation continue to attempt to increase fry colonization and juvenile rearing success by protecting and restoring areas of floodplain connectivity in and around areas that have high Chinook spawning concentrations.

Within Lake Washington, restoration actions are focused on the southern end of the lake to benefit the fry-migrant life stage that rears in the lake, as well as migrating smolts. We hypothesize that restoration of shallow sandy habitat with overhanging vegetation will reduce predator efficiency, and increase juvenile survival.

The naturally spawning Sammamish River population has low abundance and low productivity, and actions are necessary in the near-term to secure this population from any increase in extinction risk. Actions are also necessary to ensure that the habitat potential exists to support recovery in the future as population productivity increases and the distribution expands into the Tier 2 North Lake Washington tributaries (e.g. Little Bear and North Creeks). This requires programmatic actions to maintain and restore landscape level processes at risk from development as well as capital projects to acquire functioning habitat

or restore degraded habitats. These acquisitions include headwater areas in Upper Bear Creek, Cottage/Cold Creek, Little Bear Creek, and North Creek to maintain forest cover, water quality, and hydrologic processes.

The nearshore component of the WRIA 8 plan includes significant uncertainties. Actions are focused on identifying specific locations where feeder bluff connections to the nearshore environment can be restored, and restoring pocket estuaries where possible. The railroad severely constrains restoration opportunities in WRIA 8, making a feasibility study essential for WRIA 8 to implement feeder bluff projects throughout the 10-year plan horizon.

In order to be successful the WRIA requires stable, predictable state and federal funding support, as well as continued state leadership on conservation messages at the regional level (e.g., STORM).

Next Big Challenge

- 5. Do these top priorities reflect a change in any way from the previous threeyear work program? Have there been any significant changes in the strategy or approach for salmon recovery in your watershed? If so, how & why? No change in priorities from the previous three year work program.
- 6. What is the status or trends of habitat and salmon populations in your watershed?
 - a. Habitat status and trends monitoring (wadeable streams) began in July 2009, and is currently funded through 2013. Data are being loaded into the Washington Department of Ecology Status and Trends database and will be analyzed in future months. An overall habitat status and trends framework, including wadeable streams and rivers, land cover, water quality, and hydrologic trends, is in preparation. Initial results will be presented at the WRIA 8 Summit in December 2010.
 - b. WRIA 8 has been collecting salmon population status and trend data for more than 10 years. The figures and tables at the end of this document summarize Chinook adult and juvenile trends for WRIA 8.
- 7. Are there new challenges associated with implementing salmon recovery actions that need additional support? If so, what are they?
 - a. The H-Integration process has not resulted in consensus on the role of the hatchery-origin spawners on the Sammamish spawning grounds. Adaptive management actions or actions to test alternate hypotheses, if any, will require co-manager approval and likely require input from the RITT and PSP.

- b. Detailed analyses of programmatic effectiveness are likely beyond the capacity of the WRIA to implement and would benefit from initiatives managed by an outside agency or university.
- c. The stability of local funding for WRIA 8 team and local staff coordination and local implementation of salmon recovery actions has become a concern due to shrinking local government budgets. Stable, predictable state and federal funding helps to keep local governments at the table; messages and support for the importance of keeping the local effort going would be appreciated.

Figures and Tables

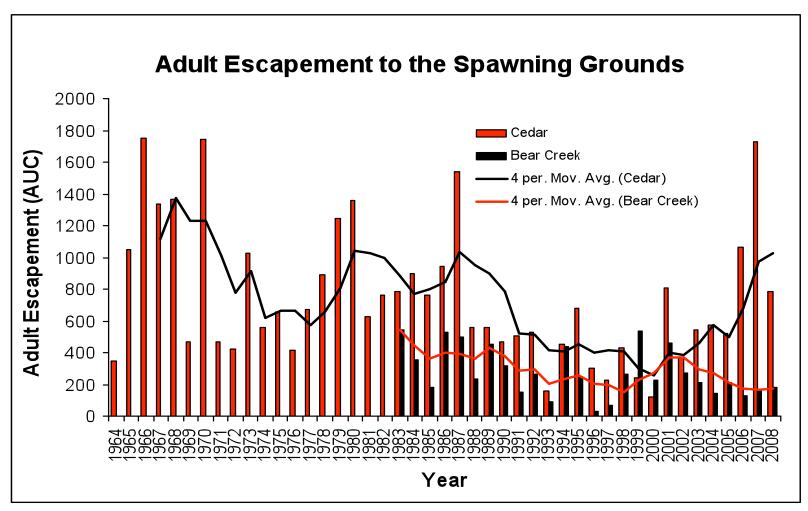


Figure 1. WRIA 8 Adult Escapement (Area Under the Curve estimation method). Data for 2009 are not yet available from co-managers.

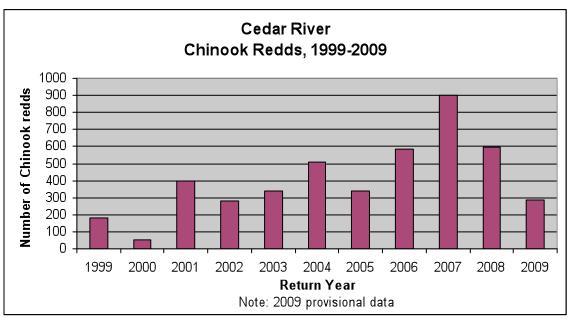


Figure 2. Cedar River Chinook Redds, 1999-2009.

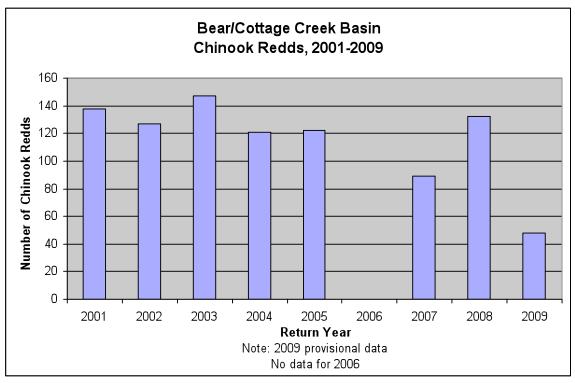


Figure 3. Bear/Cottage Creek Basin Chinook Redds, 2001-2009.

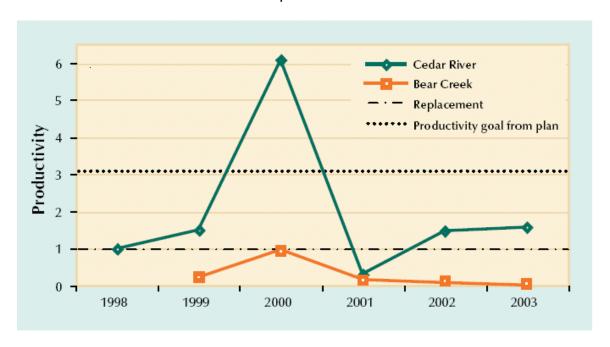


Figure 4. Cedar River and Bear/Cottage Creek Redd:Redd Productivity. The majority of Chinook in the Cedar River return after 3 to 4 years, though the proportion varies each year. The WRIA 8 Plan has a productivity goal of 3.1 for the Cedar River population and 3.0 for the Sammamish population. (Figure from the 2006-2007 WRIA 8 Implementation Progress Report.). Note that this productivity estimate incorporates all mortality during the life cycle, including ocean harvest, which is estimated at approximately 40% of the total run.

Brood	Esti	mated Migra	tion	% Mig	ration	Est.	DED	F	Production/Fe	male	S	urvival Rate	s
Year	Fry	Parr	Total	Fry	Parr	Females	PED	Fry	Parr	Total	Fry	Parr	Total
1998	67,293	12,811	80,104	84.0%	16.0%	173	778,500	389	74	463	8.6%	1.6%	10.3%
1999	45,906	18,817	64,723	70.9%	29.1%	180	810,000	255	105	360	5.7%	2.3%	8.0%
2000	10,994	21,157	32,151	34.2%	65.8%	53	238,500	207	399	607	4.6%	8.9%	13.5%
2001	79,813	39,326	119,139	67.0%	33.0%	398	1,791,000	201	99	299	4.5%	2.2%	6.7%
2002	194,135	41,262	235,397	82.5%	17.5%	281	1,264,500	691	147	838	15.4%	3.3%	18.6%
2003	65,875	54,929	120,804	54.5%	45.5%	337	1,516,500	195	163	358	4.3%	3.6%	8.0%
2004	74,292	60,006	134,298	55.3%	44.7%	511	2,299,500	145	117	263	3.2%	2.6%	5.8%
2005	98,085	19,474	117,559	83.4%	16.6%	339	1,525,500	289	57	347	6.4%	1.3%	7.7%
2006	107,796	14,613	122,409	88.1%	11.9%	587	2,641,500	184	25	209	4.1%	0.6%	4.7%
2007	694,264	78,915	773,179	89.8%	10.2%	899	4,045,500	772	88	860	17.2%	2.0%	19.1%
2008	121,584	17,868	139,452	87%	13%	599	2,695,500	203	30	233	4.5%	0.7%	5.2%

Table 1. Production, productivity (production per female), and survival of Chinook fry and parr among brood years. Fry migration was assumed to be January 1 to April 15. Parr migration was assumed to be April 16 through July 13. Productivity was calculated from potential egg deposition (PED) for returning spawners. Data are Cedar River broods 1998 to 2008. (Table from Kiyohara and Zimmerman, 2009 and unpublished data; 2008 data are provisional.)

Brood	Е	stimated Migrat	tion	% Mig	gration	Est.	PED		Production/Fe	male		Survival Rates	
Year	Fry	Parr	Total	Fry	Parr	Females	PED	Fry	Parr	Total	Fry	Parr	Total
2000	419	10,087	10,506	4.0%	96.0%	133	598,500	3	76	79	0.1%	1.7%	1.8%
2001	5,427	15,891	21,318	25.5%	74.5%	138	621,000	39	115	154	0.9%	2.6%	3.4%
2002	645	16,636	17,281	3.7%	96.3%	127	571,500	5	131	136	0.1%	2.9%	3.0%
2003	2,089	21,558	23,647	8.8%	91.2%	147	661,500	14	147	161	0.3%	3.3%	3.6%
2004	1,178	8,092	9,270	12.7%	87.3%	121	544,500	10	67	77	0.2%	1.5%	1.7%
2005	5,764	16,598	22,362	25.8%	74.2%	122	549,000	47	136	183	1.0%	3.0%	4.1%
2006	3,452	13,077	16,529	20.9%	79.1%	131	589,500	26	100	126	0.6%	2.2%	2.8%
2007	1,163	11,543	12,706	9.2%	90.8%	276	1,242,000	4	46	50	0.1%	0.9%	1.0%
2008	14,243	50,959	65,202	21.8%	78.2%	132	594,000	108	386	494	2.4%	8.6%	11.0%

Table 2. Production, productivity (production per female), and survival of natural-origin Chinook in Bear Creek. Fry are assumed to have migrated between February 1 and April 8. Parr are assumed to have migrated between April 9 and June 30. Data are 2000 to 2008 brood years. (Table from Kiyohara and Zimmerman, 2009 and unpublished data; 2008 data are provisional.)

		-Year Work Plan ts Highlighted ir	- WRIA 8 Watershed Imp	leme	ntation Pri	iorities																	
Projec	Plan Catego	ry Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon- dary Species Benefit- ing	Current Project Status	Year 1 Activity to be funded	Year 1 Estimated Budget		Year 2 Estimated Budget	Year 3 Activity to be funded	Year 3 Estimated Budget	Likely end date	Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Projec t ID
	tal Project		Increase In-Stream Juvenile Rearing Product	ivity											_								
Capital	Acquisition and Restoration		Protect and improve riparian habitat in future redevelopment	Tier I	Floodplain Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Land Protected, Acquired, or Leased: Streambank or Riparian Protected (19 acres, 4500 linear feet)	Chinoo	Coho, Sockeye, k Steelhead	Feasibility Pending	Acquisiti on	\$ -	restoration	on		\$ -	2014	SPU, CLC, Renton			SRFB/ PSAR	C206
Capital	Acquisition	Acquisition and Habitat Protection Upstream of Ron Regis park: Reach 4	Protect Habitat in Reach 4: Protect existing riparian habitat, instream habitat conditions and extensive LWD in reach. Most of reach already in public ownership or protected by regulations (e.g. steep slopes). Targeted parcel is adjacent to landslide reach immediately upstream of Ron Regis park. (C213)	Tier 1	Channel Structure and Complexity, Riparian Areas & LUWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Land Protected, Acquired, or Leased: Streambank or Riparian Protected (0.10 Miles)		Coho, Sockeye, k Steelhead	Feasibility Pending	NA	\$ -	acquisitio	\$ 200,000	NA	\$ -	2013	B King Cou	n \$ 200,000	\$ 50,000	KCD , King County SWM	C213
Capital	Restoration	Study Options to Protect Habitat in Reach 4 and Reduce Flooding an Erosion in Ron Regis park	Study Options to Protect Habitat in Reach 4 and Reduce Flooding and Erosion in Ron Regis Park: It is unclear how much further river is going to erode bank and migrate into Ron Regis park in landslide area. Eventually there will be a conflict with park uses. Explore using LWD and levee setback to prevent excessive erosion and flood damage to public lands associated with Ron Regis Park while protecting natural dhabitat forming processes in reach. Study should include lower Madsen Creek. (C214)		Floodplain Connectivity & L Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Instream: Large Woody Debris (0 Feet)		Coho, Sockeye, k Steelhead	Feasibility Pending	NA	\$ -	Feasibilit	\$ 40,000	NA	\$ -	2013	Renton / King 3 County	\$ 40,000	\$ -		C214
Capital		Jones Reach Acquisition and Habitat Protection - C228b	Jones Reach: 20.8 acres, 13 parcels (of total 29 acres, 16 parcels) targeted for protection. Left bank of river already protected. Acquiring parcels on right bank of the river would allow both banks of the river to be protected. (C228)		Channel Structure and Complexity, Riparian Areas & L LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan		Activity Type - Land Protected, Acquired, or Leased: Upland Protected (20.8 Acres)		Coho, Sockeye, k Steelhead	Feasibility Pending	Acquisiti on	\$ 1,000,000	acquisiti on	\$ 1,400,000	acquisiti on	\$ 1,400,000	2013	King County (City of Seattle partnershi	\$ 3,800,000	\$ 1,000,000	KCD , King County SWM	
Capital	Acquisition	Bucks Curve Buyout	Bucks Curve Buyout: Continue buying out structures to build on previous restoration efforts in vicinity of RM 6.2 to RM 6.4. Once sufficient land acquired, remove or setback existing levee, and revegetate floodplain. In best alternative, a portion of SE Jones Road could be relocated northward. (C215A)	Tier 1	Floodplain Connectivity & L Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (37 Acres)	Chinool	Coho, Sockeye, k Steelhead	Feasibility Pending	Acquisiti on	\$ 800,000	acquisiti on	\$ 800,000	acquisiti on	\$ 800,000	2013	King County / City of Seattle	\$ 2,250,000	\$ 750,000	KCD , King County SWM	C215A
Capital	Restoration	Bucks Curve Levee Setback/Removal	Bucks Curve Levee Setback / Removal: Once sufficient land acquired, remove or setback existing levee, and revegetate floodplain. In best alternative, a portion of SE Jones Road could be relocated northward. (C215B)		Floodplain Connectivity & L Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Channel Reconfiguration (Includes Channel Roughening), Activity Type - Instream: Large Woody Debris Activity Type - Riparian: Revegetation Planting Activity Type - Instream:		Coho, Sockeye, k Steelhead	Feasibility Pending	NA	\$ -	NA	\$ -	NA	\$ -	201;	King County / Corps of Engineers	\$ 40,000	\$ 40,000	KC Surface Water Mgmt CIP	C215B
Capital	Restoration	Cedar River Rainbow Bend Restoration (C236-B)	(Name change from Cedar Grove Road - Rainbow Bend Levee Removal). Conduct further levee modification work to maximize channel-floodplain interactions. (C235)		Floodplain Connectivity & I Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Channel Reconfiguration (Includes Channel Roughening), Activity Type - Instream: Large Woody Debris Activity Type - Riparian: Revegetation Planting		Coho, Sockeye, k Steelhead	Design	NA	\$ -	NA	\$ -	Design	\$ 50,000	2010	King County / Seattle Public Utilities	\$ 50,000	\$ 50,000	King County SWM, Corps	C235B
Capital	Acquisition	Lower Lions Stream Reach Acquisition	30 acres (12 parcels) includes a large area of riparian forested floodplain between the Cedar River and SE 188th Street. Enhances side channel that was constructed in the area, allows expansion, and completion of side channel. (C239)	Tier 1	Floodplain Connectivity & L Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (39 Acres)		Coho, Sockeye, k Steelhead	underway	Acquisiti on	\$540,000	Acquisiti on	\$540,000	Acquisiti on	\$540,000	2010	King County	\$1,620,000		Conservation Futures, King County SWM	
Capital	Acquisition	218th Place Side Channel Protection and Enhancement	218th Place Side Channel: Protect 5 acres, 1 parcel, rural residential, riverfront. Once acquired there are opportunities for habitat enhancement in floodplain and off-channel areas. (Related to C242 to enhance 218th side channel once protected. C242 is not on start list.) (C244)	Tier 1	Floodplain Connectivity & L Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (5 Acres)	Chinool	Coho, Sockeye, k Steelhead		NA	\$ -	NA	\$ -	acquisiti on	\$ 500,000	201;	King 2 County	\$500,000	\$ -	0	0 C244
Capital	Acquisition	Mouth of Taylor Creek Reach Acquisition	Mouth of Taylor Creek Reach: Acquire approximately 40 acres of forested riparian floodplain associated with both the Cedar mainstem and the lower reach of Taylor Creek. The target parcels include approximately 1,000 feet of mainstem channel, nearly 1,300 feet of the lowermost reach and mouth of Taylor Creek, and one of the largest remaining floodplain wetlands adjacent to the mainstem. Some of the acquisitions will facilitate future levee removal and/or modification projects (Getchman and Rhode Levees). Completes acquisition by 2009, with restoration by 2012. (C245)	n	Floodplain Connectivity & L Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan		Activity Type - Land Protected, Acquired, or Leased: Upland Id Protected (40 Acres)		Coho, Sockeye, Steelhead	underway	Acquisiti on	\$ 1,000,000	acquisiti on	\$ 1,250,000	acquisiti on	\$ 1,250,000	2010	King) County	\$ 3,500,000	\$ 1,350,000	FEMA, Open Space Bond, King County SWM, Conservation Futures	C245

									Secon- dary													
Projec			Priority	Primary Limiting Factors	Reference Document for		Activity Type and Project	Primary Species	Species Benefit-	Current Project	Year 1 Activity to be Ye	ear 1 Estimated	Year 2 Activity to be		Year 3 Activity to be		Likely end	Likely	Total Cost of	Local share or other	Source of funds (PSAR,	Projec t
t Type Plan Cat	ategory Project Name	Project Description	Tier	Addressed	limiting factor	Habitat Type	Performance	Benefiting	ing	Status	funded Bu	ıdget	funded	Budget	funded E	Budget	date	sponsor	Project	funding	SRFB, other)	ID
		Belmondo Reach: 71 acres, 10 parcels, rural residential, riverfront. No levees in reach, numerous side channels,																				
		braided reach. Located between WPA and Cummings levees. Reach includes Trib 0316 confluence area. Area		Floodplain	Chapter 4 (Volume I) WRIA		Activity Type - Land Protected,		Coho,												Seattle HCP, Conservation	ı
Capital Acquisition	on Belmondo Reach Acquisition	is just downstream of Cedar Grove Road / Rainbow Bend acquisition and meander bend restoration. (C232)	Tier 1	Connectivity & Function	8 Chinook Salmon Conservation Plan	Riparian	Acquired, or Leased: Upland Protected (71 Acres)	Chinook	Sockeye, Steelhead	underway	Acquisiti on \$	500,000	acquisiti on	\$ 800,000	acquisiti on	\$ 1,800,000	2010	King County	\$ 3,100,000	\$ 1,100,000	Futures, King County SWM	
		Acquisition of high habitat value properties (7 parcels, 6.7 acres) in the Elliot Bridge reach. These acquisitions																				
		will supplement flood buy-outs in the reach and will facilitate early removal and setback of the levee. (C216-		Floodplain Connectivity &	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Activity Type - Land Protected, Acquired, or Leased: Upland		Coho, Sockeye,		Acquisiti		acquisiti					King			KCD , King	
Capital Acquisition	on Elliot Bridge Habitat Acquisitions	B)	Tier 1	Function	Conservation Plan	Riparian	Protected (6.7 Acres)	Chinook	Steelhead	underway	on .	\$500,000	on .	\$500,000			2010	County	\$1,676,000	\$676,000	0 County SWM	C216 B
		Acquisition of parcels in the Royal Arch Reach (RM 13.19 to 14.19) of the Cedar River mainstem. Potential		Floodplain			Activity Type - Land Protected,		Coho,													
Capital Acquisition	on Royal Arch Reach Acquisitions	habitat restoration opportunities include restoration of a historic side channel for high flow refuge for juveniles, and spawning and rearing habitat.	Tion 1	Connectivity & Function	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Acquired, or Leased: Upland Protected (24.76 Acres)	Chinaal	Sockeye,	underway	Acquisiti	\$500.000	acquisiti	\$500,000	Acquisiti		2011		\$2.000.000	\$1,000,000	0 SPU HCP	C247
Capital Acquisition	on Royal Arch Reach Acquisitions	and spawning and rearing habitat.	iiei 1	Function	Conservation Flan	Кірапап	Protected (24.76 Acres)	Cillion	Steemeau	underway	OII	\$500,000	OII	\$500,000	OII		2011		\$2,000,000	\$1,000,000	USPU HCP	G247
		Dorre Don Meanders Reach: Protect 71 acres, 14 parcels, rural residential, riverfront with flooding issues.																King				
	Dorre Don Meanders Reach	Includes an extensive floodplain riparian forest, numerous valley floor spring-fed features including side		Floodplain Connectivity &	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Activity Type - Land Protected, Acquired, or Leased: Upland		Coho, Sockeye,		Acquisiti		acquisiti		Acquisiti			County / City of			Conservation Futures, King	1
Capital Acquisition Cedar River - Pr		channel, stream, and oxbow habitats. (C253) cesses to Support Egg Incubation and Pre-Sp		Function igrant Life Stages	Conservation Plan	Riparian	Protected (71 Acres)	Chinook	Steelhead	underway	on \$	1,000,000	on	\$ 1,500,000	on	\$ 1,500,000	2011	Seattle	\$ 4,000,000	\$ 1,000,000	County SWM	C253
	Enhance Flows at Lower Rock	Spawning Migrants: Work with the City of Kent in establishing instream flows that are protective of		Stream flow, Water	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Instream flow: water flow returned			feasibility												
Capital Restoration		Chinook through their HCP process. (C351)	Tier 2		Conservation Plan	Instream	to stream	Chinook		pending	\$			\$ -		-		Kent	\$ -	\$ -		C351
South Hivor	TOOLOTO END TO INCIDENCE IN GROUN	ŭ ,		Observation	Chapter 4 (Volume I) WRIA					f 15 1115 .			F 75-70					O't f				
Capital Restoratio		Explore feasibility of passing large woody debris over Landsburg Dam. (C260)	Tier 1	Channel structure and complexity	8 Chinook Salmon Conservation Plan	Instream	Instream: large woody debris	Chinook		feasibility pending	0 \$	-	Feasibili ty Study	\$ 25,000	NA :	-		City of Seattle	\$ -	\$ -	(0 C260
Cedar River - R	Restore Riparian Function to incre	ase In-Stream Juvenile Rearing Productivity		Riparian areas and	Ohantan A O Ashama D M/DIA																	
Capital Restoratio	City of Renton Riparian Restoration	Riparian restoration in City of Renton-owned parkland upstream of I-405 bridge on left bank. Define area and then restore (C209/C210)	Tion 1	LWD recruitment, Floodplain connectivity	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Dinarian	Chinook		feasibility pending	NA G		riparian restorati	\$ 81.000	NA I		2010	Renton	\$ 81.000	\$ 21.000	Local Governments	C209 / C210
	tal - Capital - Cedar	Inerrestore (G209/G210)	i ilei 1	Connectivity	Conservation Flan	Кірапап	Riparian	CHIHOOR		pending	\$ \$	5,840,000	On	\$ 7,636,000	INA .	<i>7,840,000</i>	2010	Renton	, , , , , , , , , , , , , , , , , , , ,	\$ 7,037,000		5 C210
Migrato	ory																					
Capital proj	,	Juvenile Rearing and Migratory Survival																				
Lakes - Restore	e Shoreline Complexity to increase	Suverine Rearing and Migratory Survival																				
		Opportunities to restore small creek mouths or restore shorelines (remove bulkheads, reduce armoring, reduce																				
		number of docks, or restore vegetation). Work with private landowners (including homeowner demonstration																				
	Occall Occale Manths and Observing	project) or on public lands throughout section 1 and 2. (C267, C269 - South Lake Washington Habitat Design			Chapter 4 (Volume I) WRIA	I	Instream: channel reconfiguration, Riparian: planting, Lakeshore:				Design/		Design/		Design/						Renton, or	C267,
Capital Restoration		and Restoration, C270, and C271- Mapes Creek daylighting demonstration site).	Tier 1	Ob and the second south																		
		Natural Resources property. Remove am portion		Snoreline complexity	8 Chinook Salmon Conservation Plan	Instream, Lakeshore	armor modification/ removal, modify/ remove overwater structure	Chinook		feasibility pending	Construc tion \$	1,500,000	Constru ction	\$ 1,000,000	Constru	\$ 1,000,000	2015	Seattle	\$ 3,500,000	\$ 2,500,000	Seattle and Corps	C269 - C271
Capital Restoration		of flume (along lakeside), create shallow water		Reduced habitat	Conservation Plan Chapter 4 (Volume I) WRIA	Lakeshore	armor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1	Chinook		pending		1,500,000	ction	\$ 1,000,000	Constru	\$ 1,000,000		Dept. of	\$ 3,500,000	\$ 2,500,000		
		of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation.	Tier 1		Conservation Plan Chapter 4 (Volume I) WRIA	Lakeshore	armor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine &	Chinook Chinook				1,500,000		\$ 1,000,000	Constru	\$ 1,000,000			\$ 3,500,000	\$ 2,500,000		C271
Snip Canal Lake		of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation.	Tier 1	Reduced habitat complexity; Shoreline	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Lakeshore	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian			pending feasibility	tion \$	1,500,000	ction Constru	\$ 1,000,000	Constru	\$ 1,000,000		Dept. of Natural	\$ 3,500,000	\$ 2,500,000	Corps	C271
Snip Canal Lake	ion Shoreline Restoration	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles	Tier 1	Reduced habitat complexity; Shoreline	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Lakeshore Riparian	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian			pending feasibility	tion \$	1,500,000	ction Constru	\$ 1,000,000	Constru	\$ 1,000,000		Dept. of Natural	\$ 3,500,000	\$ 2,500,000	Corps	C271
Ship Canal Lake	Shoreline Restoration Re Union Locks - Improve Survival Operational Improvements to	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation.	Tier 1	Reduced habitat complexity; Shoreline	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Lakeshore Riparian	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian			pending feasibility	tion \$	1,500,000	ction Constru	\$ 1,000,000	Constru			Dept. of Natural Resources	\$ 3,500,000		Corps SRFB/PSAR	C271
Capital Restoratio	Shoreline Restoration Re Union Locks - Improve Survival Operational Improvements to	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204)		Reduced habitat complexity; Shoreline complexity	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Lakeshore Riparian	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres)	Chinook		pending feasibility	Design Operational Improvements \$ 1		ction Constru	\$ 1,000,000	Constru		2015	Dept. of Natural Resources			Corps SRFB/PSAR	C271 C266
Capital Restoratio	Shoreline Restoration Re Union Locks - Improve Survival Operational Improvements to Locks Parshore - Improve Juvenile Rearin Feeder Bluff Restoration	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smølts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop		Reduced habitat complexity; Shoreline complexity	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA	Riparian Estuary	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres)	Chinook		pending feasibility	Design Operational Improvements Feasibil ity		ction Constru	\$ 1,000,000 \$ -	Constru		2015	Dept. of Natural Resources			Corps SRFB/PSAR Corps WDFW;	C271 C266 M204
Capital Restoratio	Shoreline Restoration Re Union Locks - Improve Survival Operational Improvements to Locks Parshore - Improve Juvenile Rearin Feeder Bluff Restoration Feasibility Study and pilot	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat		Reduced habitat complexity; Shoreline complexity Fish Passage	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan	Riparian Estuary	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage	Chinook		pending feasibility	Design Operational Improvements Feasibil		ction Constru	\$ 1,000,000	Constru		2015 Ongoing	Dept. of Natural Resources		\$ 150,000	Corps SRFB/PSAR Corps	C271 C266 M204
Capital Restoratio	Operational Improvements to Locks Carshore - Improve Juvenile Rearin Feeder Bluff Restoration Feasibility Study and pilot	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan	Riparian Estuary	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres)	Chinook		pending feasibility	Design Operational Improvements Feasibil ity assess	150,000	ction Constru	\$ 1,000,000	Constru		2015 Ongoing	Dept. of Natural Resources Corps	\$ 150,000	\$ 150,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR,	C271 C266 M204
Capital Restoratio	Operational Improvements to Locks Carshore - Improve Juvenile Rearin Feeder Bluff Restoration Feasibility Study and pilot	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage Sediment supply	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA	Riparian Estuary Nearshore	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert	Chinook		pending feasibility	Design Operational Improvements Feasibil ity assess	150,000	ction Constru	\$ 1,000,000	Constru		2015 Ongoing	Dept. of Natural Resources Corps	\$ 150,000	\$ 150,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR,	C271 C266 M204
Capital Restoratio	Shoreline Restoration Re Union Locks - Improve Survival Operational Improvements to Locks Parshore - Improve Juvenile Rearin Feeder Bluff Restoration Feasibility Study and pilot restoration projects Big Gulch Pocket Estuary	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3) Big Gulch Pocket Estuary: Design and restoration of	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian Estuary Nearshore	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each),	Chinook		pending feasibility	Design Operational Improvements Feasibil ity assessment	150,000	ction Constru	\$ 1,000,000	Constru		2015 Ongoing 2010	Dept. of Natural Resources Corps	\$ 150,000	\$ 150,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR, 0 KCD; ESRP	C271 C266 M204 M2/M3
Capital Restoratio Estuary and Nea Capital Restoratio Capital Restoratio Subtota	Shoreline Restoration Re Union Locks - Improve Survival Operational Improvements to Locks Parshore - Improve Juvenile Rearin Feeder Bluff Restoration Feasibility Study and pilot restoration projects Big Gulch Pocket Estuary Restoration Restoration Big Gulch Pocket Estuary Restoration Restoration	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3) Big Gulch Pocket Estuary: Design and restoration of pocket estuary and culvert improvements to restore system connectivity and improve sediment transport into the nearshore. (M222)	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage Sediment supply Passage; Reduced	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian Estuary Nearshore Estuary River	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each), Activity Type - Land Protected, Acquired, or Leased: Upland	Chinook	Coho,	pending feasibility	Design Operational Improvements \$ Feasibility assessment Feasibility and	150,000 \$100,000	Construction 0	\$ -	Constru		2015 Ongoing 2010	Dept. of Natural Resources	\$ 150,000 \$300,000 \$ 20,000,000	\$ 150,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR, 0 KCD; ESRP Local Governments Grants/ Mitigation	C271 C266 M204 M2/M3
Capital Restoration Capital Restoration Capital Restoration Capital Restoration Subtota	Operational Improvements to Locks Carshore - Improve Juvenile Rearing Feeder Bluff Restoration Feasibility Study and pilot restoration projects Big Gulch Pocket Estuary Restoration Real - Capital - Migratory mish - North Lake	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3) Big Gulch Pocket Estuary: Design and restoration of pocket estuary and culvert improvements to restore system connectivity and improve sediment transport into	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage Sediment supply Passage; Reduced	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian Estuary Nearshore Estuary River	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each), Activity Type - Land Protected, Acquired, or Leased: Upland	Chinook	Coho,	pending feasibility	Design Operational Improvements \$ Feasibility assessment Feasibility and	150,000 \$100,000	Construction 0	\$ -	Constru		2015 Ongoing 2010	Dept. of Natural Resources	\$ 150,000 \$300,000 \$ 20,000,000	\$ 150,000 \$150,000 \$ 1,900,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR, 0 KCD; ESRP Local Governments Grants/ Mitigation	C271 C266 M204 M2/M3
Capital Restoratio Capital Restoratio Capital Restoratio Subtota Sammal Capital Project	Operational Improvements to Locks Control Earshore - Improve Juvenile Rearing Feeder Bluff Restoration Feasibility Study and pilot restoration projects Big Gulch Pocket Estuary Restoration Tall - Capital - Migratory The Control Earshore - North Lakes Control Earshore - Lakes Control Earsh	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3) Big Gulch Pocket Estuary: Design and restoration of pocket estuary and culvert improvements to restore system connectivity and improve sediment transport into the nearshore. (M222)	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage Sediment supply Passage; Reduced Habitat Capacity	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian Estuary Nearshore Estuary River	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each), Activity Type - Land Protected, Acquired, or Leased: Upland Protected (1.10 Acres)	Chinook	Coho,	pending feasibility	Design Operational Improvements \$ Feasibility assessment Feasibility and	150,000 \$100,000	Construction 0	\$ -	Constru		2015 Ongoing 2010	Dept. of Natural Resources	\$ 150,000 \$300,000 \$ 20,000,000	\$ 150,000 \$150,000 \$ 1,900,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR, 0 KCD; ESRP Local Governments Grants/ Mitigation	C271 C266 M204 M2/M3
Capital Restoratio Capital Restoratio Capital Restoratio Subtota Sammal Capital Project	Operational Improvements to Locks Control Earshore - Improve Juvenile Rearing Feeder Bluff Restoration Feasibility Study and pilot restoration projects Big Gulch Pocket Estuary Restoration Tall - Capital - Migratory The Control Earshore - North Lakes Control Earshore - Lakes Control Earsh	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) g Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3) Big Gulch Pocket Estuary: Design and restoration of pocket estuary and culvert improvements to restore system connectivity and improve sediment transport into the nearshore. (M222) Washington Tributarie dy Debris to support juvenile rearing and fry culture in the policy of the provide an enhanced	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage Sediment supply Passage; Reduced Habitat Capacity n life stages	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian Estuary Nearshore Estuary River	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each), Activity Type - Land Protected, Acquired, or Leased: Upland Protected (1.10 Acres) Activity Type - Instream: Channel Reconfiguration	Chinool	Coho,	pending feasibility	Design Operational Improvements \$ Feasibility assessment Feasibility and	150,000 \$100,000	Construction 0	\$ -	Constru		2015 Ongoing 2010	Dept. of Natural Resources	\$ 150,000 \$300,000 \$ 20,000,000	\$ 150,000 \$150,000 \$ 1,900,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR, 0 KCD; ESRP Local Governments Grants/ Mitigation design and	C271 C266 M204 M2/M3
Capital Restoratio Capital Restoratio Capital Restoratio Subtota Sammai Capital Project	Operational Improvements to Locks Control Earshore - Improve Juvenile Rearing Feeder Bluff Restoration Feasibility Study and pilot restoration projects Big Gulch Pocket Estuary Restoration Tall - Capital - Migratory The Control Earshore - North Lakes Control Earshore - Lakes Control Earsh	of flume (along lakeside), create shallow water habitat, protect existing cove, and plant overhanging riparian vegetation. of Migrating Adults and Juveniles Operational Improvements to Improve Juvenile and Adult Chinook Survival (eg Add/Replace strobe lights to locks to deter smolts and prevent entrainment.) (M204) 19 Habitat Nearshore feasibility assessment to develop multiple beach nourishment designs for restoration (M2 & M3) Big Gulch Pocket Estuary: Design and restoration of pocket estuary and culvert improvements to restore system connectivity and improve sediment transport into the nearshore. (M222) 2 Washington Tributarie dy Debris to support juvenile rearing and fry c	Tier 1	Reduced habitat complexity; Shoreline complexity Fish Passage Sediment supply Passage; Reduced Habitat Capacity n life stages Channel Structure and Complexity,	Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon Plan Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian Estuary Nearshore Estuary River Delta	amor modification/ removal, modify/ remove overwater structure Activity Type - Estuarine & Nearshore: Restore elevation (1 Each), Activity Type - Riparian Habitat: Planting (8 Acres) Fish passage Beach nourishment Nearshore: Culvert Replacement - Estuary/Nearshore (1 Each), Activity Type - Land Protected, Acquired, or Leased: Upland Protected (1.10 Acres) Activity Type - Instream:	Chinool	Coho,	pending feasibility	Design Operational Improvements Feasibility assessment Feasibility and Design \$	150,000 \$100,000	Construction 0	\$ -	Constru		2015 Ongoing 2010	Dept. of Natural Resources	\$ 150,000 \$300,000 \$ 20,000,000	\$ 150,000 \$150,000 \$ 1,900,000	Corps SRFB/PSAR Corps WDFW; SRFB/PSAR, 0, KCD; ESRP Local Governments. Grants/ Mitigation	C271 C266 M204 M2/M3

										Secon- dary		Year 1	Year	2	Year 3						
Projec	Dian Catanami	Duningt Name	Project Promission	Priority	Primary Limiting Factors	Reference Document for		Activity Type and Project Performance	Primary Species Benefitin	Species Benefit-	Current Project	Activity to be	Year 1 Estimated to be	Year 2 Estimated	Activity	ear 3 Estimated	Likely end Likely date sponsor	Total Cost of	Local share or other funding	Source of funds (PSAR, SRFB, other)	Projec t ID
ттуре	Plan Category	Project Name	Project Description	Tier	Addressed Channel Structure	limiting factor	навітат туре	Performance	Benefitin	g ing	Status	funded	Budget funde	ed Budget	funded B	uaget	date sponsor	Project	runaing	SRFB, other)	ID
		Evaluate Locations for LWD	Evaluate locations for LWD addition. Focus on Reach 6, which has the highest restoration potential but does not		and Complexity, Riparian Areas &	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Activity Type - Instream Habitat: Channel structure -		Coho,	Feasibility	Feasibilit	Cons	tru	Constru		King			Local	
Capital	Restoration	Additions	presently include any projects. (N242)		LWD Recruitment	Conservation Plan	Instream	Large woody debris (1750 Feet)) Chinook	Sockeye	Pending	y Study				150,000		\$ 350,000	\$ 100,000	governments	N242
								Activity Type - Instream:													
			Evans/Bear Creek Restoration: In-channel restoration is	3				Channel Reconfiguration (Includes Channel Roughening)													
			needed in Bear Creek and Evans Creak through the former dairy farm at the confluence; RM 1.25 to RM 2.5					(4.65 Miles), Activity Type - Instream: Large Woody Debris													
			on Bear Creek and RM 1.2 to RM 4.6 on Evans Creek (Same as Keller Farm). Reconfigure channel where it has been widened due to past farm practices, enhance		Channel Structure	Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian,	(4500 Feet), Activity Type - Riparian: Revegetation		Coho,	Feasibility	Acquisiti			Restora		Redmond			Private /	N208 /
Capital	Restoration	Evans/Bear Creek Restoration	riparian area, add LWD, replant. (N208/N211)	Tier 1	and Complexity	Conservation Plan	Instream	Planting (5 Acres)	Chinook	Sockeye	Pending	on	\$ 2,000,000	\$ -	tion \$	1,000,000		\$ 3,000,000	\$ 3,000,000	WSDOT	N211
								A stilling Time MIDIA O. America													
			Cottage Creek: Explore opportunities to improve floodplain connection in reach by removing riprap or		Channel Structure			Activity Type WRIA 8: Armor modification/removal (2750		Coho,	Feasibility	Restorati			Restora		King			Local	
Capitai	Restoration	Cottage Creek Restoration	artificial constrictions. (N282)	lier 1	and Complexity	Conservation Plan	Instream	Linear Feet) Channel Reconfiguration	Chinook	Sockeye	Pending	on	5 -	\$ -	tion \$	180,000	2010 County	\$ 90,000	\$ 90,000	governments	N282
			Continue North Creek School Project: Work with school to do additional riparian restoration, large woody debris	ı	Channel Structure			(Includes Channel Roughening), Activity Type -			Feasibility										
		North Creek School (now called	addition and side channel enhancements on their property. This project has been one of Snoomish		and Complexity, Riparian Areas &	Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian,	Instream: Large Woody Debris Activity Type - Riparian:		Coho, Sockeye,	Pending, Feasibility	Restorati					Snohomis		****	Local government;	
	Restoration ribs - Hydrolog	Clearwater School) Restoration c processes to support ego	county's top priorities in recent years. (N378) g incubation, juvenile rearing, and adult migra		LWD Recruitment	Conservation Plan	Instream	Revegetation Planting	Chinook	Steelhead	Completed	on	\$240,360 Resto	orat \$134,35	50		2010 h County	\$ 374,710	\$134,350	NEW	N378
			Bear Creek Forest Cover Protection: Acquire forest property, development rights/conservation easements,							Coho (Secondary	,										
			and provide enhanced incentives to retain and plant forest area environments. Particularly forested area		Riparian Areas &	Chapter 4 (Volume I) WRIA		Activity Types -		Species), Sockeye											
Capital	Acquisition	Bear Creek Forest Cover Protection	south of Puget Power Trail and at corner of 116th and Avondale Road. (N216)	Tier 1	LWD Recruitment, Water Quality	8 Chinook Salmon Conservation Plan	Upland, Riparian	Acquisition/Easements/Leases : Upland protected (24 Acres)	Chinook	(Secondary Species)	′	Acquisiti on	\$ 800,000 \$	- \$ -	· \$ - \$	-	King 2010 County	\$ 800,000	\$ 200,000	Local governments	N216
			Forest Cover, Wetland Protection: Protect large, undeveloped forested wetland on both Little Bear and																		
		Little Bear and Great Dane Creeks Forested Wetland	Great Dane Creeks. Approximately 100 acres including 10 parcels. Also listed under Great Dane Creek Reach		Water Quality, Reduced Habitat	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Activity Type - Land Protected, Acquired, or Leased: Upland				Acquisiti	Acqu		Acquisiti		Snohomis			Local	
Capital	Acquisition	Protection	(N422)	Tier 2	Capacity	Conservation Plan	Wetland	Protected (100 Acres)	Chinook			on	\$ - on	\$ 500,000) on \$	500,000	2009 h County	\$ 1,000,000	\$ 500,000	governments	N422
			Protect Riparian Wetland in Little Bear Reach 10:		Riparian Areas &																
			Protect undeveloped, forested wetlands (second growth forest) in reach covering approximately 55 acres and 12	!	LWD Recruitment, Water Quality,	Chapter 4 (Volume I) WRIA		Activity Type - Land Protected,													
Capital	Acquisition	Little Bear Reach Riparian Wetland Protection	parcels owned by two landowners. Enhance with large woody debris. (N424)		Reduced Habitat Capacity	8 Chinook Salmon Conservation Plan	Wetland	Acquired, or Leased: Upland Protected (110 Acres)	Chinook		Feasibility Pending	Acquisiti on	\$ 500,000 on	siti \$ 750,000	Acquisiti on \$	750,000	Snohomis 2010 h County		\$ 250,000		N424
			Little Bear Forest Cover Protection: Protect forested.																		
			headwater wetlands from corner of 51st and 180th upstream approximately 2 miles along Little Bear Creek																		
			through conservation easements and acquisition. Includes three wetland complexes totaling over 200																		
		Little Bear Creek Forested	acres: 4 parcels along 180th St. on mainstem; ~7 parcels along Trout Stream from 180th to Interurban Blvd.; and 5 parcels north of 164th Street to 156th		Riparian Areas & LWD Recruitment,	Chapter 4 (Volume I) WRIA		Activity Type - Land Protected, Acquired, or Leased: Upland				Acquiciti	Acqui	iciti	Acquisiti		Snohomis			l ocal	
Capital	Acquisition	Headwater Wetlands Protection	Street. (N429)	Tier 2	Water Quality	Conservation Plan	Wetland	Protected (200 Acres)	Chinook			Acquisiti on	\$ - on	\$ 500,000	Acquisiti on \$	1,000,000	Snohomis 2011 h County		\$ 500,000	Governments	s N429
		Little Bear Creek Reach 2-	Fish Passage Benefiting Chinook: 132nd Avenue					Activity Type - Fish Passage:													
		Fish Passage 132 Ave NE (N401) and Fish passage	NE (a low flow blockage), RM 0.45, and 134th Ave NE (3 cement pipes, broken), RM 0.5, City o	f	Degraded Habitat- Fish Passage;	Chapter 4 (Volume I) WRIA		Fish passage blockages removed or altered (4); Riparian Habitat -	i												N401,
Capital	Restoration Projects	134th Ave NE (N402) with riparian restoration (N403)	Woodinville; Restore Riparian Vegetation up to H 522 and add large wood.		Riparian Areas & LWD Recruitment	8 Chinook Salmon Conservation Plan	Instream	plantings of native vegetation; Large Wood - placement	Chinook		Feasibility Pending						12/31/ Woodinv 2055 le City of	il f 300000)		N402, N403
			N473 Fish Passage: Reduce jump height at concrete weirs using artificial riffle or other "safer" engineering.																		
			With N454/N458 - Installation of LWD, design and insta LWD to provide hydraulic refuge areas during peak flow																		
			in stream segments 76-03 through 76-08 of Kelsey Creek. With N457/N459 – Restoration of Riparian Areas:																		
		Kelsey Creek Fish Passage and	Identify and implement opportunities to plant native coniferous trees in the riparian zones throughout the		Fish Passage,	Chapter 4 (Volume I) WRIA		Activity Type - Fish Passage:													
Capital	Restoration	Channel Restoration - Reach 3 (N473)	subarea. First priority should be the mainstem of Kelsey Creek. Riparian Restoration and Stream Enhancements:		'Riparian Areas & LWD Recruitment	8 Chinook Salmon Conservation Plan	Instream, Riparian	Fish passage blockages removed or altered (9 Each)	Chinook	Coho, Sockeye	Design & permits	Design					2014			Bellevue, KCD	N473
			Work with Landowners in Reach 5 to restore riparian vegetation and to do stream		Degraded Habitat-					(Secondary Species),	′										
			enhancements. Adopt-a-Stream Project in Snohomish County portion of North Creek.		Channel Structure and Complexity,					Coho (Secondary	,						Snohomi				
		North Creek Reach 5- Riparian Restoration and Stream				Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Riparian,	Activity Type - Riparian Habitat:		Species), Sockeye	Feasibility						sh				N379,
Capital	Restoration	Enhancements	Creek Drainage Needs Report Project proposal.	Tier 2	LWD Recruitment		Instream	Planting	Chinook	(Secondary							12/31/ County 2015 of				N384

Projec t Type	Plan Category	Project Name	Project Description	Priority Tier	Primary Limiting Factors Addressed	Reference Document for limiting factor	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon- dary Species Benefit- ing				Year 2 Estimated Budget	Year 3 Activity to be funded			Likely sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Projec t ID
	Acquisition	Reach 6 Protection through Acquisition	North Creek- Protect remaining forest cover and wetlands through CAOs, regulations, BMPs, and incentives and acquisition where regulations and incentives are not sufficient. There are undeveloped forested areas and wetlands in the following reaches: Lower North reaches 4,3,2 and upper North reaches 10,9,8,7 (listed in EDT priority). (N385)	Tier 2	Riparian Areas & LWD Recruitment, Stream Flow, Water Quality	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Activity Type - Riparian Habitat: Planting	Chinook			Acquisiti on				-			\$ 2,000,000			N385
NLW 1	ribs River - Res	store Riparian Function to S	upport Juvenile Rearing and Fry Colonization	1			T		T	T	I											
Capital	Restoration	NLW Tribs Riparian Restoration	Riparian restoration in reach. Most of the reach is publicly owned, but need to remove invasive plants and replant with native vegetation. (N206)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian Habitat: Planting (12 Acres)	Chinook	Coho, Sockeye	Design Completed		\$ -	\$ -	Restorat	\$ 25,000	2010	Redmond	\$ 25,000	\$ 12,500		N206
Capital	Acquisition	Reach 9- Bear Creek Waterways Program (N239)	Continue Bear Creek Waterways program to protect best remaining habitat. This reach includes Reach D. Change in feasibility with a willing seller of a large parcel		Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Type - Land Protected, Acquired, or Leased: Streambank or Riparian Protected (62 acres)	Chinook	Coho, Sockeye	negotiation s underway		Acquisiti on	\$1,350,000			2012	King County	\$1,350,000	\$900,000	KCD, CFT, SRFB/ PSAR	N239
Canital	Acquisition	Bear Creek Waterways Program	Continue Bear Creek Waterways program to protect best remaining habitat. Includes "Reach D" and Reach E. In particular, forested riparian parcels contiguous to already protected properties. Also protect undeveloped properties that can be restored. (N232, N303, N293, N298)	,	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian, Wetland	Activity Types - Acquisition/Easements/Leases : Upland protected (84 Acres)	Chinook	Coho, Sockeye		Acquisiti	\$ - Acquisiti	\$ 500,000		4	0	King Count	\$ 500,000	\$ 100.000		N232, 303, N293, N286
	Restoration	Horse Farm Restoration (Bear Creek)	Restoration needed on Horse Farm property on NE 140th St. Reduce fine sediments, restore riparian areas. Pursue farm plan to address impacts to Bear Creek. (N228)		Riparian Areas & LWD Recruitment, Excessive Sediment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon		Activity Types- Agriculture BMP, Erosion control structures, riparian planting	Chinook	Coho, Sockeye	Feasibility Pending	On	\$ - Restorat			\$ -		King Conservati on District, King County	\$ 25,000			N228
Capital	Restoration	Paradise Valley Conservation Area Restoration (Bear Creek)	Remove invasive plants and plant riparian buffer along Bear Creek through out Paradise Valley Conservation Area. (N276)	Tier 1	Riparian Areas & LWD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type- Riparian Habitat: plant removal/control and riparian planting	Chinook	Coho, Sockeye	Feasibility Pending		\$ 50,000	\$ -		\$ -	0	Snohomish	\$ 50,000	\$ 25,000		N276
0		pital - NLW Tribs.	in Comment to the Description of the control of the		N#:4:								\$ 5,640,360	\$ 12,559,350		\$ 4,630,000			\$ 23,714,710	\$ 6,774,350		
Capital	Restoration	Swamp Creek Regional Park Wetland and Stream Restoration (N335)	in Connectivity to Support Juvenile Rearing a Swamp Creek Regional Park Wetland and Stream Restoration: As identified in the Sammamish River Corridor Action Plan, restore large, publicly owned wetland complex at the confluence of Swamp Creek and the Sammamish River, creating a diversity of wetland elevations and habitats in the floodplain. Wetland Restoration on Right Bank in Bothell: Restore historic wetlands on right bank		Channel Structure and Complexity, Riparian Areas & LWD Recruitment, High Water Temperatures	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream, Riparian (1 acre) Wetland (28 acres)	, Instream, Riparian, Wetland	Chinook	Coho, Sockeye, Steelhead	Design underway	permits	Constru ction								Kenmore, SRFB/PSAR KCD	N335
Capital	Restoration	Sammamish River Reach 2- Wetland Restoration on Right Bank in Bothell and Riparian Wetlands adjacent to 102nd Avenue bridge (N337/N338)	downstream of 102nd Avenue bridge to be seasonally inundated wetlands with small channels connecting them to the river.(N337). Enhance and reconnect riparian wetlands and remnant side channels adjacent to 102nd Avenue bridge on left bank (N338)		Degraded Habitat- Floodplain Connectivity and Function		Riparian, Wetlands		Chinook		Feasibility Pending						12/31/ 2015	Bothell City of				N337 N338
Capital	Restoration	Transition Zone Restoration	Restore Transition Zone: Restoration of the left meander (Marymoor meander) below the weir as either the main channel or a seasonal channel with wetlands is recommended. Reroute tributary 0141 into wetland. Enhance or create pools at small tributary outlets, at meander bends downstream of the transition zone, and just downstream of the weir. Restoration elements could include excavation of new channel, creation of pools, and an overflow bench with wetland vegetation; removal of non-native vegetation; placement of gravel substrate in new channel; connection to capture hyporehic flows; and revegetation of riparian and wetland areas with native plants. (N358)		Channel Structure and Complexity, Riparian Areas & LWD Recruitment, High Water Temperatures, Reduced Access to Spawning Habitat Fish Passage/Anthropogenic/Natural Barriers	- 3 Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream	Activity Type - Riparian Habitat: Planting (1 Acres), Activity Type - Wetlands: Upland wetland - wetland restoration (28 Acres)	Chinook	Coho, Sockeye, Steelhead	Feasibility Pending	Design	\$ 270,000 ction	\$ 1,800,000		\$ -		King County	\$ 2,070,000	\$ 1,270,000	King County Surface Water Mgmt and River Improvement Fund, Army Corps	N358
		Commonsish Diver Televine Manual	Sammamish River Tributary Mouth Restoration Feasibility and Restoration: Feasibility and design study for each of the tributary mouths in the Sammamish River. Implement restoration projects. Includes Bear, Little Bear, North, and Swamp Creeks, as well as Willows (trib		Floodplain	Chapter 4 (Volume I) WRIA		Activity Type - Instream Habitat: Channel reconfiguration and connectivity (0.50 Miles), Activity Type - Instream		Coho,			Feasibili									N201, N339,
Capital	Restoration Subtotal - Ca	Restoration Feasibility and Restoration	0102), Peters (trib 0104), and tribs 0057A, 0068, 0069, 0095, 0095A, and 0095B. (N201, N339, N346, N357)		connectivity and function	8 Chinook Salmon Conservation Plan	Instream, Riparian, Wetland	Habitat: Channel structure - d Large woody debris (3000 Feet) Chinool	Sockeye, Steelhead	Feasibility Pending		\$ - Design \$ 270,000	\$ 150,000 \$ 1,950,000		\$ - \$ -	2015	King County	\$ 150,000 \$ 2,220,000	\$ 50,000 \$ 1,320,000	Local Government	N346, N357
Sar	Subtotal - Ca	Restoration Feasibility and Restoration pital h - Issaquah	0102), Peters (trib 0104), and tribs 0057A, 0068, 0069,	Tier 1	connectivity and function) Chinool				\$ - Design			\$ - \$ -	2015	King County				

										Secon- dary		Year 1		Year 2	Year 3						
Projec t Type	Plan Categor	Project Name	Project Description	Priority Fa	rimary Limiting actors ddressed	Reference Document for limiting factor		Activity Type and Project Performance	Primary Species Benefiting	Species Benefit- ing	Current Project Status	Activity to be Y	ear 1 Estimated		Year 2 Estimated to be funded	Year 3 Estimated Budget	Likely end Likely date sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	Projec t ID
	Restoration	Sammamish State Park Restoration	Sammamish State Park Restoration: Revisions of the State's Plan for the park emphasis restoration of the wetlands, streams and lakeshore areas. EDT modeling results suggest park restoration in Reach 1 has highest restoration potential to affect VSP attributes, but based on an aggressive approach. Opportunity to work with State and consultants on restoration actions. (1204)		egulatory echanisms	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian Habitat: Planting and native plant establishment	Chinook		Feasibility Completed	Restorati	§ 50.000	Restora	Restora \$ 50,000 tion	\$ 50.000	Washingto n State 2010 Parks	\$ 150,000	5	Washington State Parks / _ocal Govts	1204
Capital	Restoration	Residiation	Pickering Place Channel and Riparian Restoration, Stream restoration along 1,800 feet of west bank Issaquah Creek. Restoration could include removal of	Flo	oodplain onnectivity &	Chapter 4 (Volume I) WRIA		Restoration: Channel Connectivity/Rehabilitation/Cre ation - Floodplain Restoration (1800 Linear Feet), Activity	CHIHOOK				50,000	uon	\$ 50,000 11011	\$ 50,000	2010 Paiks	\$ 150,000	\$ 150,000 L	Local Govis	204
Capital	Restoration	Pickering Place Channel and Riparian Restoration	hardened banks and floodplain, side channel, and riparian enhancements. (I207)	Tier 1 Co	ructure and omplexity	8 Chinook Salmon Conservation Plan	Riparian, Instream	Type - Riparian: Revegetation Planting (8.20 Acres)	Chinook		Feasibility Pending	Restorati on		Restora tion	Restora tion		2010 Issaquah	\$500,000		_ocal Governments	1207
		Bush Lane Acquisition and	Bush Lane Acquisition and restoration. When combined with Pickering Place could create a large protected/restored section of Issaquah Creek on both banks and some of lower NF Issaquah. Stream, riparian, and floodplain restoration on 1,200 feet of Issaquah Creek east bank. Stream/buffer enhancements can be combined with other public use of upland area of site, such as active recreation. (1206 &	Co Fu Sti	ructure and	Chapter 4 (Volume I) WRIA 8 Chinook Salmon	Instream,	Activity Type - Floodplain Restoration: Channel Connectivity/Rehabilitation/Cre ation - Floodplain Restoration (1200 Linear Feet), Activity Type - Land Protected, Acquired, or Leased: Upland Protected (12.50 Acres), Activity Type - Riparian: Revegetation Planting (12.50			Feasibility								l	_ocal	1206, 1208, 1274,
Capital	Restoration	Restoration	1208)	Tier I Co	omplexity	Conservation Plan	Wetland	Acres) Activity Type - Floodplain	Chinook		Pending						2010 Issaquah			Governments	1270
Capital	Restoration	Juniper Acres Restoration	Juniper Acres Restoration. A small 2-acre parcel recently acquired. When combined with Issaquah Park and other City owned parcels, represents good restoration potential in urban reaches. (1212) Adoution in South Issaquam Creek Oriechway Acquisitions		oodplain onnectivity & inction	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream, Wetland	Restoration: Channel Connectivity/Rehabilitation/Cre ation - Floodplain Restoration (550 Linear Feet)	Chinook		Feasibility Completed	Restorati on					2010 Issaquah	\$150,000		_ocal Governments	1212
Capital	Protection	Additional South Issaquah Creek Greenway Acquisitions	Large parcels adjacent to the South Issaquah Creek Greenway offer additional potential for open space preservation, riparian and wetland enhancements, instream restoration, and side channels. Includes Mohl Property, located immediately downstream of Sycamore	an Rij	nannel Structure nd Complexity, parian Areas & VD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian, Instream, Wetland	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (19 Acres) Activity Type - Estuarine &	Chinook			Acquisiti	-		Acquisit \$ - on	\$ 750,000	2010 Issaquah	\$ 750,000		_ocal Governments/ KCD	1225
Capital	Restoration	Squak Valley Park Restoration	Squak Valley Park Restoration. Improve habitat complexity and riparian forest, create off-channel areas connected to the stream, large woody debris placement. Levee removal (all or parts - unknown). Right bank Issaquah - 8. (1226)	Co Fu Sti Co Rij	podplain prinectivity & inction, Channel ructure and prine Areas & VD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian, Instream, Wetland	Nearshore: Channel modification / creation (1250 Yardst), Activity Type - Instream Habitat: Channel structure - Large woody debris (1250 Feet), Activity Types - Acquisition/Easements/Leases:	Chinook		Feasibility Completed	Restorati on					2010 Issaquah	\$700,000		_ocal governments	1226 B
Capital	Acquisition	Issaquah Waterways Acquisition and Restoration and Carey/ Holder/ Issaquah Creek Confluence	Issaquah Waterways Acquisition and Restoration (1249) and Carey/Holder/Issaquah Creek Confluence (1248. 1250, 1252): Middle Issaquah Reach 12 acquisition and restoration and the confluence of Issaquah, Carey and Holder Creeks. Acquisition in fee or conservation easement to restore or expand riparian buffers. Removal of invasives. Plan includes increased fenced buffers (100 ft for named tributaries), and restricted access to the riparian corridors. (1248. 1249, 1250, 1252)	Rip Tier 1 LW	VD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Riparian	Activity Type - Riparian: Revegetation Planting (120 Acres)	Chinook		Feasibility Pending	Acquisiti	§ -	Acquire conserv ation easeme nt	Acquire Conservation Easeme \$ 350,000 nt	\$ 350,000	King 2009 County	\$ 700,000	 	_ocal Governments/ KCD/Conserv ation Futures	1250
	Issaquah -P	rotect and Restore Riparian	Function to Support Juvenile Rearing and Spa	wning Migra	ints																
Capital		Wildwood Acquisition rotect and Restore Water Qu	Wildwood Acquisition: Acquisition of the left bank property opposite recent acquisition of one of the few remaining large undeveloped parcels (8 acres - Johnson property) on lower Issaquah Creek. (1222) uality to Support Egg Incubation, Juvenile Rea	Tier 1 LW	VD Recruitment	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Upland, Riparian	Activity Type - Land Protected, Acquired, or Leased: Upland Protected (0.30 Acres)	Chinook				-		Acquisit \$ - on	\$ 300,000	2009 Issaquah	\$ 300,000	\$ 150,000 C	_ocal Governments	1222
	Issaguah - Ha	no projects tchery Capital Projects			· ·																
Capital	Hatchery	Issaquah Integrated Fish Passage	Issaquah Integrated Fish Passage. Allow unhindered adult passage of Chinook and coho. Open up 10 miles of habitat. (was "Issaquah Hatchery Dam Passage")	Fis Pa	ssage/Anthropog	Chapter 4 (Volume I) WRIA 8 Chinook Salmon Conservation Plan	Instream	Activity Type - Fish Passage: Fishways (Ladders, Chutes or Pools) - Fish Passage (1 Each)	Chinook	Coho	Feasibility Completed		\$ 400 \$ 50,400		\$ 400,000	\$ 1,450,000	Corps of Engineers and 2010 WDFW	\$800,000 \$ 4,050,000	, E	Governments, Army Corps of Engineers, NDFW	
		- Capital Proje	ects									,	\$ 30,400 \$ 13,650,760		\$ 25,445,350	\$ 14,920,000		\$ 4,030,000 \$ 76,791,710			
No	n-Cap																				
			nagement and Coordination									Staffing		Staffin g,	Staffin g,						
Non- Capital	Future Habitat Project Development	5-6% Capacity Funds	Assistance to site-specific projects or addressing barriers to implementation of projects or programs. Identifying priorities for programmatic actions.	All					Chinook			facilitat ion, project or	<i>\$53,885</i>	facilita tion, project or	facilita tion, project \$53,885 or	<i>\$53,885</i>	Multiple Ongoin stakehold g ers	\$161,655		PSAR Capacity Funds	

								Secon-							
Projec				Priority		Reference Document for	Activity Type and Project	Primary Species Species Benefit-	Current Project Year 1 Activity to be	Year 1 Estimated to be	Year 2 Estimated to be	Year 3 Estimated Likely Likely	Total Cost of	Local share or other	Source of funds (PSAR,
	lan Category /atershed Plan	Project Name	Project Description	Tier	Addressed	limiting factor Habitat Type	Performance	Benefiting ing	Status funded Staffin		Budget funded Staffin	Budget date sponsor	Project	funding	SRFB, other) ID
	nplementatio &		Salmon Recovery Coordination/ Adaptive Management Framework and Plan						facilita ion,	t facilita tion,	facilita tion,	Multiple Ongoin stakehold	d		
	oordination	Salmon Recovery Coordination		All				Chinook	databa ent		a \$100,000 <u>databa</u>		\$300,000	\$50,000	Local govts
l w	atershed Plan								recom menda	recom	recom	Managers	s		
	nplementatio &		Enhanced Integration of Habitat, Hatchery, and						ions from	tions from	tions from	Multiple Ongoin Stakehol	,		
Capital Co	oordination	Harvest Integration	Harvest Management Actions	All				Chinook	region	s \$50,000 region	\$50,000 region	\$50,000 g ders	\$150,000	\$0)
w	atershed Plan		Lead entity coordination* & Administrative									Local			
Non- n	&	Lead Entity Coordination & Administrative Support of	Support and coordination of the watershed committees / Completion and periodic revisions						Staffin (3.5	g (3.5	g (3.5	gov't. & Ongoin Lead			ILA Local govts & LE
		Watershed Committees n-capital needs for Adaptive Ma	to the watershed salmon plan	All				Chinook	FTE)	\$561,000 FTE) \$764,885	\$561,000 FTE) \$764,885	\$561,000 g entity \$764,885	\$1,683,000 \$2,294,655		grant
N	Ion-capital	needs for WRIA 8 Plan	Programmatic Recommendations (For	r a more	detailed list of t	the programmatic recommenda	ations, associated limitin	ng factor, and cost o	estimates, see A				72/22 1/032		
			(No examples proposed)		Hydrology, Water and				Staffin	g Staffir	Staffin g,				
					Sediment Quality, Floodplain Connectivity, Riparian Vegetation,				materi Is, and	als,	als,	Multiple			
		Integration of regulatory			Sediment Processes, Shoreline Complexity,				mix of other	and mix of		Ongoin ers and			Local govts and other
Capital Pr	rotection	flexibility to benefit salmon	Examples of Programs:	Tier 1	Passage			Chinook	resour ,	s \$56,000 other g,	\$56,000 other	\$56,000 g WRIA 8 Multiple	\$175,000	\$130,500	Sources
	abitat		Incentives to restore ecosystem function (C007) Riparian – Negotiate for enhancement of riparian		"				materi Is, and	als,	als,	ongoin ers and			Local govts and other
Capital Pr	rotection	Incentive programs	buffers (C006) Examples of programs:	Tier 1				Chinook	mix of	\$266,000 and	\$266,000 and	\$266,000 g WRIA 8	\$798,000	\$396,000	Sources
			Green Shorelines C729/C730, I730, C030/C033, I056/N051/N057: Outreach to						Staffin	Staffir	Staffin				
			encourage lakeshore restoration. Activities could include workshops, media campaign,		"				, materi	mater	i materi als,				
			permitting or financial incentives, technical assistance, lakeshore design criteria, or						ls, and mix of	and mix of	and	Multiple			
Non- H	abitat	Innovative approaches to stormwater and shoreline	demonstration projects. Technical assistance for stormwater pollution						other resour		resour	stakehold Ongoin ers and	1		Local govt and other
Capital Pr	rotection	management	abatement	Tier 1				Chinook	es ,	\$268,000 ces g,	\$268,000 ces g,	\$268,000 g WRIA 8	\$804,000	\$402,000	sources
			Examples of Programs: Septic tank maintenance.		"				materi Is, and	als,	als,	Multiple			ļ. , . l
		Increase Best Management Practices (BMPs)	Encourage commercial car wash and alternatives for charity car washes, and car maintenance .	Tier 1				Chinook	mix of other resour	and mix of c \$181,000 other	and mix of \$181,000 other	stakehold Ongoin ers and \$181.000 a WRIA 8	\$543.000	\$363.000	Local govts and other
Capital	otection	Fractices (BMFs)	No examples proposed	ilei 1				CHIHOOK	,	g,	g,	, , , , , , , , , , , , , , , , , , , ,	\$343,000	\$303,000	Jources
Non- H	abitat	Support existing regulations			"				materi Is, and mix of	als,	i materi als, and	Multiple stakehold Ongoin ers and	đ		Local govts and other
		that benefit salmon	Examples of Programs:	Tier 1				Chinook	other	\$453,000 mix of			\$1,359,000	\$903,750	sources
			Stewardship – Encourage community stewardship (e.g. C721 with C719/C731 but												
			basinwide) Streamside Landowner Education workshops							Staffir	Staffin				
			for education, stewardship and BMP implementation Promote tree cover value		"				Staffin	g, mater	g, materi				
			(C720/N719/N735/I715) Stormwater actions - basinwide						materi Is, and	and	als, and				
Non	twa.ala.a.ad		Natural Yard Care – basinwide Protection of nearshore						mix of other	other	other	Multiple stakehold	d		Local govts
Capital ed		Outreach and education		Tier 1				Chinook	resour es	\$1,905,000 ces	\$1,905,000 ces	Ongoin ers and \$1,905,000 g WRIA 8	\$5,715,000		and other sources
	ub-total - Non lonitoring	n-capital needs for Programmat	tic Recommendations							\$3,129,000	\$3,129,000	\$3,129,000	\$9,394,000	\$2,671,500	0
									, site selecti	g, data		Multiple			
Non- Capital M	onitoring	Evaluating Cumulative Effectiveness	Evaluating Cumulative Effectiveness of Actions (Habitat)	All		Chapter 6 Volume I WRIA 8 Plan		Chinook	n/ reconr	tion	tion \$150,000 and	Ongoin stakehold \$150,000 g ers	\$500,000	\$300,000	Local govts
	T								r survey		er survey				
Non- Capital M	onitoring	Stock Monitoring Support	Stock monitoring support (Fish In/Out)	All		Chapter 6 Volume I WRIA 8 Plan		Chinook	, smol trappii		\$461,034 smolt	Ongoin stakehold \$461,034 g ers	\$1,383,102	\$1,081,305	Local govts, WDFW
			Evaluate projects to determine the benefit to						, site selecti			Multiple			
Non-			Chinook of specific features of restoration projects	l]	Chapter 6 Volume I WRIA 8 Plan		1	n/	on/	on/	Ongoin stakehold	d	+500.00	Local govts, WDFW
Capital M	onitoring	Project Effectiveness	projects	All		WRIA 8 PIAII		Chinook	reconn	\$600,000 reconi	n \$600,000 reconn	\$600,000 <i>g ers</i>	\$1,800,000	\$600,000	WDFW

Projec t Type	Plan Category	Project Name	Project Description	Priority Tier		Reference Document for	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting	Secon- dary Species Benefit- ing	Project		Year 1 Estimated	Year 2 Activity to be Y funded E	ear 2 Estimated	Year 3 Activity to be funded	Year 3 Estimated		Likely T sponsor P	otal Cost of	or other	Source of funds (PSAR, SRFB, other)
Tota	al Non-C	Capital Need		Y T., &b	Work of	460 000		adiable. The #75 000 Games				Total year 1 need		Total year 2 need	\$4,340,034	Total year 3 need	\$4,340,03 4	ı	Progra mmatic non- capital need	\$13,077,102	\$4,652,805	
		Priority project	cts and programs benef					ordination. The \$75,000 figure is	an estimate	received from	1 Evergreen i	Funding.										
Capital	Acquisition/ Restoration	Ebright Creek Enhancement and	Ebright Creek: Enhance mouth and protect lower reaches of Ebright Creek on East shore of Lake Sammamish. If property on lower reaches of creek is acquired there could be educational outreach opportunities on the site. (I-310)	Tier 1		Chapter 9 Volume 1 WRIA 8 Plan	Riparian,	Activity Type WRIA 8: Restore Creek Mouths/Pocket Estuaries	Chinook		Feasibility Pending			Acquisiti	\$ 300,000			2010	City of Sammami	300,000	\$ 150,000	Local Governments 1-310

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